

## CLAIMS

1. A composition, characterized in that it comprises at least one antibody chosen from the group (i) of  
5 anti-MSRV/HERV-W Env-SU antibodies or from the group (ii) of anti-TLR4 antibodies, capable of binding specifically to the soluble fraction of the MSRV/HERV-W Env protein or to the TLR4 receptor for the soluble fraction of the MRSV/HERV-W Env protein, and a  
10 pharmaceutically acceptable carrier; said antibodies inhibiting the pro-inflammatory cascade induced by the activation of MSRV/HERV-W.
2. The composition as claimed in claim 1,  
15 characterized in that it comprises a pharmaceutically acceptable vector.
3. The composition as claimed in claim 1 or claim 2, characterized in that it comprises at least one anti-  
20 MSRV/HERV-W Env-SU antibody of group (i) and at least one anti-TLR4 antibody of group (ii).
4. The composition as claimed in one of claims 1 to 3, characterized in that the anti-HERV-W Env-SU  
25 antibody of group (i) is chosen from the antibodies 3B2H4, 13H5A5 and 3H10F10 and the anti-TLR4 antibody of group (ii) is the antibody HTA125.
5. The use of at least one antibody chosen from the  
30 group (i) of anti-MSRV/HERV-W Env-SU antibodies or from the group (ii) of anti-TLR4 antibodies, capable of binding specifically to the soluble fraction of the MSRV/HERV-W Env protein or to the TLR4 receptor for the soluble fraction of the MSRV/HERV-W Env protein, for  
35 the preparation of a medicament; said antibodies inhibiting the pro-inflammatory cascade induced by the activation of MSRV/HERV-W.

6. The use, as claimed in claim 5, of at least one anti-MSRV/HERV-W Env-SU antibody of group (i) and of at least one anti-TLR4 antibody of group (ii).

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7. The use as claimed in either one of claims 5 and 6, in which the anti-HERV-W Env-SU antibody of group (i) is chosen from the antibodies 3B2H4, 13H5A5 and 3H10F10 and the anti-TLR4 antibody of group (ii) is the antibody HTA125.

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8. The use as claimed in claim 7, for the treatment of a pathology associated with MSRV/HERV-W.

9. The use as claimed in claim 7, in which the pathology is multiple sclerosis or schizophrenia.

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10. An antibody chosen from the antibodies 3B2H4, 13H5A5 and 3H10F10.

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11. The use of MSRV/HERV-W Env-SU for determining the state of reactivity of the blood mononuclear cells of patients suffering from multiple sclerosis or from schizophrenia, by assaying cytokines chosen from IL-6, IL12-p40 and TNF- $\alpha$ .

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